

BEST AVAILABLE COPY**IN THE CLAIMS**

Please amend the claims to read as indicated herein.

1. (currently amended) A measurement unit adapted to be used in a measuring setup for measuring an optical device under test—~~DUT~~ (DUT), comprising:

an optical circuit ~~with one or more optical components showing high susceptibility to mechanical noise, wherein the optical circuit is adapted to provide optical signals for providing an optical signal from and/or to the DUT for measuring the DUT, via a fiber connection;~~ and

a shielding unit ~~adapted for receiving~~ for holding the optical circuit and for providing at least a partial shielding of the optical circuit against mechanical noise.

2. (currently amended) The measurement unit of claim 1, wherein the shielding unit ~~is provided with~~ has a relatively high weight, thus rendering the shielding unit less susceptible ~~to be excited~~ excitation by mechanical vibrations.

3. (currently amended) The measurement unit of claim ~~2~~ 1, wherein the shielding unit weighs substantially more than the optical circuit.

4. (currently amended) The measurement unit of claim 1, wherein the shielding unit comprises a mass plate or is provided of a material massive relative to the optical circuit ~~or the one or more optical components.~~

5. (currently amended) The measurement unit of claim 1, wherein the shielding unit comprises an upper casing part and a lower casing part.

6. (currently amended) The measurement unit of claim 1, wherein the optical circuit is attached to ~~at least one~~ a part of the shielding unit.

7. (currently amended) The measurement unit of claim ~~6~~, wherein 1, further comprising a vibration damping or shielding device ~~is provided~~ between the optical circuit and the shielding unit.

8. (currently amended) The measurement unit of claim 1, wherein the optical circuit comprises ~~at least one~~ an interferometer.

9. (currently amended) The measurement unit of claim 1, further comprising a receiving device ~~adapted to receiving~~ for holding the DUT ~~at least~~ during the measurement measuring step.

10. (original) The measurement unit of claim 9, wherein the receiving device is coupled to the shielding unit in a way that the shielding unit provides at least a partial shielding of the DUT against mechanical noise.

11. (currently amended) The measurement unit of claim 9, wherein the receiving device ~~is provided~~ outside the shielding unit.

12. (currently amended) The measurement unit of claim 1, further comprising ~~at least one~~ a vibration absorption device for absorbing vibrations of the shielding unit.

13. (currently amended) The measurement unit of claim 12, wherein the ~~at least one~~ vibration absorption device comprises an arrangement of resilient and plastic members for damping and absorbing mechanical vibrations.

14. (currently amended) The measurement unit of claim 1, wherein the optical circuit comprises components that provide substantially no vibration ~~at least during measuring times~~ during the measuring step.

15. (currently amended) A measuring setup for measuring an optical device under test—~~DUT~~ (DUT), comprising:

~~an optical signal source adapted for applying an optical signal to the DUT, and~~
~~DUT; **BEST AVAILABLE COPY**~~
~~an optical receiver unit adapted for measuring a response of the DUT on to the~~
~~applied signal, signal; and~~
a measurement unit coupled between the optical signal source and the optical receiver unit, said measurement device having:

~~an optical circuit with one or more optical components showing high~~
~~susceptibility to mechanical noise, wherein the optical circuit is~~
~~adapted to provide optical signals for providing an optical signal~~
~~from and/or to the DUT for measuring the DUT, and via a fiber~~
~~connection; and~~
a shielding unit adapted for receiving for holding the optical circuit and for providing at least a partial shielding of the optical circuit against mechanical noise.

16. (previously presented) The measurement unit of claim 7, wherein said vibration damping or shielding device is a rubber sheet.

17. (currently amended) The measurement unit of claim 9, wherein said receiving device is provided on top of said shielding unit.